

# CRF Errors Corrected by the STIC Systems Branch

PCT 10

Serial Number: 10/089,984

CRF Processing Date: 5/1/02  
 Edited by: DC  
 Verified by: DC (STIC staff)

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: \_\_\_\_\_
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95



PCT10

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/089,984

DATE: 05/01/2002

TIME: 11:44:38

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF3\05012002\J089984.raw

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3 <110> APPLICANT: Bumol, Thomas F.
4      Cohen, Fredric, J.
6 <120> TITLE OF INVENTION: Therapeutic Applications of FLINT Polypeptides
8 <130> FILE REFERENCE: X-13199
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/089,984
C--> 11 <141> CURRENT FILING DATE: 2002-04-03
13 <160> NUMBER OF SEQ ID NOS: 5
15 <170> SOFTWARE: PatentIn Ver. 2.0
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 271
19 <212> TYPE: PRT
20 <213> ORGANISM: Homo sapiens
22 <400> SEQUENCE: 1
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26 Arg Leu Val Cys Ala Gln Cys Pro Pro Gly Thr Phe Val Gln Arg Pro
27   20          25          30
29 Cys Arg Arg Asp Ser Pro Thr Thr Cys Gly Pro Cys Pro Pro Arg His
30   35          40          45
32 Tyr Thr Gln Phe Trp Asn Tyr Leu Glu Arg Cys Arg Tyr Cys Asn Val
33   50          55          60
35 Leu Cys Gly Glu Arg Glu Glu Glu Ala Arg Ala Cys His Ala Thr His
36   65          70          75          80
38 Asn Arg Ala Cys Arg Cys Arg Thr Gly Phe Phe Ala His Ala Gly Phe
39   85          90          95
41 Cys Leu Glu His Ala Ser Cys Pro Pro Gly Ala Gly Val Ile Ala Pro
42   100         105         110
44 Gly Thr Pro Ser Gln Asn Thr Gln Cys Gln Pro Cys Pro Pro Gly Thr
45   115         120         125
47 Phe Ser Ala Ser Ser Ser Ser Ser Glu Gln Cys Gln Pro His Arg Asn
48   130         135         140
50 Cys Thr Ala Leu Gly Leu Ala Leu Asn Val Pro Gly Ser Ser Ser His
51 145         150         155         160
53 Asp Thr Leu Cys Thr Ser Cys Thr Gly Phe Pro Leu Ser Thr Arg Val
54   165         170         175
56 Pro Gly Ala Glu Cys Glu Arg Ala Val Ile Asp Phe Val Ala Phe
57   180         185         190
59 Gln Asp Ile Ser Ile Lys Arg Leu Gln Arg Leu Leu Gln Ala Leu Glu
60   195         200         205
62 Ala Pro Glu Gly Trp Gly Pro Thr Pro Arg Ala Gly Arg Ala Ala Leu
63   210         215         220
65 Gln Leu Lys Leu Arg Arg Arg Leu Thr Glu Leu Leu Gly Ala Gln Asp
66 225         230         235         240

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68 Gly Ala Leu Leu Val Arg Leu Leu Gln Ala Leu Arg Val Ala Arg Met
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72                260                265                270
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80 <211> LENGTH: 813
81 <212> TYPE: DNA
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87 tgtggcccggt gtccaccgcg ccactacacg cagttctgga actacctgga gcgtgccgc 180
88 tactgcaacg tcctctgcgg ggagcgtgag gaggaggcac gggcttgcca cgccaccac 240
89 aaccgtgcct gccgtgccg caccggcttc ttgcgcacg ctggtttctg cttggagcac 300
90 gcatcgtgtc cacctggtgc cggcgtgatt gcccgggca ccccagcca gaacacgcag 360
91 tgccagccgt gccccccagg caccttctca gccagcagct ccagctcaga gcagtgccag 420
92 cccacccgca actgcacggc cctgggcctg gccctcaatg tgccaggctc ttcctcccat 480
93 gacaccctgt gcaccagctg cactggcttc cccctcagca ccagggtacc aggagctgag 540
94 gagtgtgagc gtgccgtcat cgactttgtg gctttccagg acatctccat caagaggctg 600
95 cagcggctgc tgcaggccct cgaggccccg gagggctggg gtccgacacc aagggcgggc 660
96 cgcgcggcct tgcagctgaa gctgcgtcgg cggctcacgg agctcctggg ggcgcaggac 720
97 ggggcgctgc tgggtcggct gctgcaggcg ctgcgcgtgg ccaggatgcc cgggctggag 780
98 cggagcgtcc gtgagcgctt cctccctgtg cac                                813
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101 <211> LENGTH: 300
102 <212> TYPE: PRT
103 <213> ORGANISM: Homo sapiens
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109 Ala Leu Pro Ala Leu Leu Pro Val Pro Ala Val Arg Gly Val Ala Glu
110                20                25                30
112 Thr Pro Thr Tyr Pro Trp Arg Asp Ala Glu Thr Gly Glu Arg Leu Val
113                35                40                45
115 Cys Ala Gln Cys Pro Pro Gly Thr Phe Val Gln Arg Pro Cys Arg Arg
116                50                55                60
118 Asp Ser Pro Thr Thr Cys Gly Pro Cys Pro Pro Arg His Tyr Thr Gln
119 65                70                75                80
121 Phe Trp Asn Tyr Leu Glu Arg Cys Arg Tyr Cys Asn Val Leu Cys Gly
122                85                90                95
124 Glu Arg Glu Glu Glu Ala Arg Ala Cys His Ala Thr His Asn Arg Ala
125                100                105                110
127 Cys Arg Cys Arg Thr Gly Phe Phe Ala His Ala Gly Phe Cys Leu Glu
128                115                120                125
130 His Ala Ser Cys Pro Pro Gly Ala Gly Val Ile Ala Pro Gly Thr Pro
131                130                135                140
133 Ser Gln Asn Thr Gln Cys Gln Pro Cys Pro Pro Gly Thr Phe Ser Ala
134 145                150                155                160
136 Ser Ser Ser Ser Ser Glu Gln Cys Gln Pro His Arg Asn Cys Thr Ala

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137          165          170          175
139 Leu Gly Leu Ala Leu Asn Val Pro Gly Ser Ser Ser His Asp Thr Leu
140          180          185          190
142 Cys Thr Ser Cys Thr Gly Phe Pro Leu Ser Thr Arg Val Pro Gly Ala
143          195          200          205
145 Glu Glu Cys Glu Arg Ala Val Ile Asp Phe Val Ala Phe Gln Asp Ile
146          210          215          220
148 Ser Ile Lys Arg Leu Gln Arg Leu Leu Gln Ala Leu Glu Ala Pro Glu
149 225          230          235          240
151 Gly Trp Gly Pro Thr Pro Arg Ala Gly Arg Ala Ala Leu Gln Leu Lys
152          245          250          255
154 Leu Arg Arg Arg Leu Thr Glu Leu Leu Gly Ala Gln Asp Gly Ala Leu
155          260          265          270
157 Leu Val Arg Leu Leu Gln Ala Leu Arg Val Ala Arg Met Pro Gly Leu
158          275          280          285
160 Glu Arg Ser Val Arg Glu Arg Phe Leu Pro Val His
161          290          295          300
164 <210> SEQ ID NO: 4
165 <211> LENGTH: 29
166 <212> TYPE: PRT
167 <213> ORGANISM: Homo sapiens
169 <400> SEQUENCE: 4
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171 1 5 10 15
173 Ala Leu Pro Ala Leu Leu Pro Val Pro Ala Val Arg Gly
174 20 25
177 <210> SEQ ID NO: 5
178 <211> LENGTH: 936
179 <212> TYPE: DNA
180 <213> ORGANISM: Homo sapiens
182 <220> FEATURE:
183 <221> NAME/KEY: CDS
184 <222> LOCATION: (25)..(924)
186 <400> SEQUENCE: 5
187 gctctccctg ctccagcaag gacc atg agg gcg ctg gag ggg cca ggc ctg 51
188 Met Arg Ala Leu Glu Gly Pro Gly Leu
189 1 5
191 tgg ctg ctg tgc ctg gtg ttg gcg ctg cct gcc ctg ctg ccg gtg ccg 99
192 Ser Leu Leu Cys Leu Val Leu Ala Leu Pro Ala Leu Leu Pro Val Pro
193 10 15 20 25
195 gct gta cgc gga gtg gca gaa aca ccc acc tac ccc tgg cgg gac gca 147
196 Ala Val Arg Gly Val Ala Glu Thr Pro Thr Tyr Pro Trp Arg Asp Ala
197 30 35 40
199 gag aca ggg gag cgg ctg gtg tgc gcc cag tgc ccc cca ggc acc ttt 195
200 Glu Thr Gly Glu Arg Leu Val Cys Ala Gln Cys Pro Pro Gly Thr Phe
201 45 50 55
205 gtg cag cgg ccg tgc cgc cga gac agc ccc acg acg tgt ggc ccg tgt 243
206 Val Gln Arg Pro Cys Arg Arg Asp Ser Pro Thr Thr Cys Gly Pro Cys
207 60 65 70

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 Output Set: N:\CRF3\05012002\J089984.raw

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210	Pro	Pro	Arg	His	Tyr	Thr	Gln	Phe	Trp	Asn	Tyr	Leu	Glu	Arg	Cys	Arg	
211		75					80					85					
213	tac	tgc	aac	gtc	ctc	tgc	ggg	gag	cgt	gag	gag	gca	cgg	gct	tgc		339
214	Tyr	Cys	Asn	Val	Leu	Cys	Gly	Glu	Arg	Glu	Glu	Glu	Ala	Arg	Ala	Cys	
215	90					95				100						105	
217	cac	gcc	acc	cac	aac	cgt	gcc	tgc	cgc	tgc	cgc	acc	ggc	ttc	ttc	gcg	387
218	His	Ala	Thr	His	Asn	Arg	Ala	Cys	Arg	Cys	Arg	Thr	Gly	Phe	Phe	Ala	
219					110					115						120	
221	cac	gct	ggt	ttc	tgc	ttg	gag	cac	gca	tcg	tgt	cca	cct	ggt	gcc	ggc	435
222	His	Ala	Gly	Phe	Cys	Leu	Glu	His	Ala	Ser	Cys	Pro	Pro	Gly	Ala	Gly	
223				125					130							135	
225	gtg	att	gcc	ccg	ggc	acc	ccc	agc	cag	aac	acg	cag	tgc	cag	ccg	tgc	483
226	Val	Ile	Ala	Pro	Gly	Thr	Pro	Ser	Gln	Asn	Thr	Gln	Cys	Gln	Pro	Cys	
227			140						145							150	
229	ccc	cca	ggc	acc	ttc	tca	gcc	agc	agc	tcc	agc	tca	gag	cag	tgc	cag	531
230	Pro	Pro	Gly	Thr	Phe	Ser	Ala	Ser	Ser	Ser	Ser	Ser	Glu	Gln	Cys	Gln	
231		155					160						165				
233	ccc	cac	cgc	aac	tgc	acg	gcc	ctg	ggc	ctg	gcc	ctc	att	gtg	cca	ggc	579
234	Pro	His	Arg	Asn	Cys	Thr	Ala	Leu	Gly	Leu	Ala	Leu	Ile	Val	Pro	Gly	
235	170					175					180					185	
237	tct	tcc	tcc	cat	gac	acc	ctg	tgc	acc	agc	tgc	act	ggc	ttc	ccc	ctc	627
238	Ser	Ser	Ser	His	Asp	Thr	Leu	Cys	Thr	Ser	Cys	Thr	Gly	Phe	Pro	Leu	
239				190						195					200		
241	agc	acc	agg	gta	cca	gga	gct	gag	gag	tgt	gag	cgt	gcc	gtc	atc	gac	675
242	Ser	Thr	Arg	Val	Pro	Gly	Ala	Glu	Glu	Cys	Glu	Arg	Ala	Val	Ile	Asp	
243				205						210						215	
245	ttt	gtg	gct	ttc	cag	gac	atc	tcc	atc	aag	agg	ctg	cag	cgg	ctg	ctg	723
246	Phe	Val	Ala	Phe	Gln	Asp	Ile	Ser	Ile	Lys	Arg	Leu	Gln	Arg	Leu	Leu	
247			220						225							230	
249	cag	gcc	ctc	gag	gcc	ccg	gag	ggc	tgg	gct	ccg	aca	cca	agg	gcg	ggc	771
250	Gln	Ala	Leu	Glu	Ala	Pro	Glu	Gly	Trp	Ala	Pro	Thr	Pro	Arg	Ala	Gly	
251		235					240						245				
253	cgc	gcg	gcc	ttg	cag	ctg	aag	ctg	cgt	cgg	cgg	ctc	acg	gag	ctc	ctg	819
254	Arg	Ala	Ala	Leu	Gln	Leu	Lys	Leu	Arg	Arg	Arg	Leu	Thr	Glu	Leu	Leu	
255	250					255						260				265	
257	ggg	gcg	cag	gac	ggg	gcg	ctg	ctg	gtg	cgg	ctg	ctg	cag	gcg	ctg	cgc	867
258	Gly	Ala	Gln	Asp	Gly	Ala	Leu	Leu	Val	Arg	Leu	Leu	Gln	Ala	Leu	Arg	
259				270						275						280	
263	gtg	gcc	agg	atg	ccc	ggg	ctg	gag	cgg	agc	gtc	cgt	gag	cgc	ttc	ctc	915
264	Val	Ala	Arg	Met	Pro	Gly	Leu	Glu	Arg	Ser	Val	Arg	Glu	Arg	Phe	Leu	
265				285					290							295	
267	cct	gtg	cac	tgatcctggc	cc												936
268	Pro	Val	His														
269				300													

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/089,984

DATE: 01/01/2002  
TIME: 11:44:39

Input Set : A:\PTO.DC.txt  
Output Set: N:\CRF3\05012002\J089984.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/089,984

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Input Set : A:\PTO.DC.txt

Output Set: N:\CRF3\05012002\J089984.raw

L:10 M:270 C: Current Application Number differs, Replaced Application Number  
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date